

4 Turkey Hill Road  
Newtown, CT 06470  
Tel (203) 270-4300  
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Marianne Brown,  
*Chairman*

Fred Hurley,  
*Director*

WATER AND SEWER AUTHORITY  
*THESE MINUTES ARE SUBJECT TO APPROVAL BY THE WATER AND SEWER AUTHORITY*

The Water and Sewer Authority held a regular meeting, Thursday, November 4, 2021. The meeting was held at Newtown Public Works, 4 Turkey Hill Road, Newtown, CT. The meeting was called to order at 7:00pm.

**Present:** Lou Carbone, Gene Vetrano, Carl Zencey, Mark Benedict, George Hill (7:12pm)

**Absent:** Marianne Brown, Alan Shepard

**Also Present:** Director of Public Works Fred Hurley, Julio Segarra and Jon Arneth from Suez Environmental Service

**Public Participation** – None

**Minutes** – L. Carbone moved to approve the minutes of the 8/17/21 meeting. G. Hill seconded, motion passes with one abstain (Benedict).

**Report by Suez Water Environmental Services** – J. Segarra reported that the waste water operation is running well. They did have a mishap with a PH exceedance but it didn't affect the effluent or receiving water. It is a reportable exceedance but there was no impact. They completed all the sand filter upgrades. Now they are on the electric upgrades which is problematic because they cannot find parts.

**Report by Public Works Director** – F. Hurley reported that DPH came and inspected the water system. There are holes in the membrane that needs to be fixed. Fuss & O'Neill will do a spec to have it patched.

## UNFINISHED BUSINESS

**40-50 Mile Hill Road Request for Water** – Lee Samowitz introduced himself as the owner of 40-50 Mile Hill Road. There was a Noranda spill and they have been remediating for years. His property is considered a brownfield. He is looking for assurances for a potable water source. In 2007 they went to subdivide the property but the town rejected because it is part of the Noranda and if they dug a well it could come up contaminated. The only thing he feels they can do is tap into a water system. He stated that as a public water system you should open it up to all the public. He will work with the public utility commission to see if he can get a hardship. It is a lot cheaper to go into our system rather than the number of wells they would need on their system.

F. Hurley explained that this board acts when there is an application for a Land Use project. If water or sewer applies, it comes to the WSA. He also suggested that he discuss his options with Aquarion water because it is their franchise area. L. Samowitz explained that it would cost so much more to go into their system. G. Vetrano suggested that at this point, we table discussion, get more information and put it on the next agenda.

*EDC grant for FFH* – An addendum is going out to address remediation.

*Sandy Hook Pump Station* – There is a hold waiting for parts. The bypass well is complete, the generator pad is complete and the generator is on it. The panel is being checked out and retested. The pumps are the last thing that goes in. The old system has to be kept running

*Financials* – F. Hurley explained that there is a town committee set up doing building inventory and a database for the inventory. The goal is to try to make an objective projection based on real work orders and costs for the different components. It has been done manually but the time has come that we need to automate. We need a system that generates and continues to generate objective data that can provide productive repair, maintenance and capital replacement. They are currently looking at software that the BOE already has, the database being created by the committee and another program that Suez has used.

*I&I* – The IDA rain event pushed the plant beyond capacity.

*Maplewood Pump Station* – There are two solution that have presented. One is low cost and another higher tech solution that is close to \$500,000. The low tech solution delineates the system so when a problem arises, you can determine the source and the users can be surcharged for the cost to the WSA for the added operational expense and the repair work.

## **NEW BUSINESS**

G. Hill left the meeting at 8:10pm.

*Annual Base Compensation* – M. Benedict moved to approve the Annual Base Compensation starting July 1, 2021 (Attachment A). L. Carbone seconded, all in favor.

*2022 Meeting Schedule* – L. Carbone moved to approve the 2022 Meeting Schedule (Attachment B). M. Benedict seconded, all in favor.

**Comments from Board Members** – None

Having no further business, the meeting was adjourned at 8:25pm.

Respectfully submitted  
Arlene Miles, Clerk



Jon Arneth  
Area Manager  
**SUEZ Water Environmental Services, Inc.**  
917 Trenton Falls Rd. Prospect NY 13435  
Tel: 914.844.2043  
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### ANNUAL BASE COMPENSTATION ADJUSTMENT

- (i) The adjusted Base Compensation for changes in Price Index and average daily flows and loads:
- $$TABC = ABC + (\Delta \text{ Flow} \times 365 \text{ days} \times \text{AFM}) + (\Delta \text{ TSS} \times 365 \text{ days} \times \text{ATM}) + (\Delta \text{ BOD5} \times 365 \text{ days} \times \text{ABM}), \text{ where}$$
- TABC = Total Adjusted Base Compensation
- ABC = Adjusted Base Compensation
- AFM = Adjusted Flow Multiplier = \$17.83/million gallons x [C/C<sub>0</sub>]
- ATM = Adjusted TSS Multiplier = \$0.16/lb x [C/C<sub>0</sub>]
- ABM = Adjusted BOD5 Multiplier = \$0.04/lb x [C/C<sub>0</sub>]
- (ii)  $ABC = BC_0 \times [C/C_0]$ , where
- BC<sub>0</sub> = Base Compensation as of the commencement date of this Agreement.
- C = Price Index (as defined in Appendix A) for the tenth month of the Agreement Year just ended.
- C<sub>0</sub> = Price Index (as defined in Appendix A) for the month two months prior to the commencement date of this Agreement.
- (iii)  $\Delta \text{ Flow} = TF_1 - TF_0$ , where
- TF<sub>1</sub> = The average daily Influent flow in millions of gallons for the Agreement Year just ended.
- TF<sub>0</sub> = The average daily Influent flow in millions of gallons specified in Baseline Conditions.
- (iv)  $\Delta \text{ TSS} = TT_1 - TT_0$ , where
- TT<sub>1</sub> = The average daily Influent TSS load in pounds for the Agreement Year just ended.
- TT<sub>0</sub> = The average daily Influent TSS load in pounds specified in Baseline Conditions.
- (v)  $\Delta \text{ BOD5} = TB_1 - TB_0$ , where
- TB<sub>1</sub> = The average daily Influent BOD5 load in pounds for the Agreement Year just ended.
- TB<sub>0</sub> = The average daily Influent BOD5 load in pounds specified in Baseline Conditions.



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$$C_0 = 253.598$$

Flow and Loads Adjustment

$$\Delta \text{ Flow} = 0.418 - 0.53 = - 0.112 \text{ MGD, where}$$

$$TF_1 = 0.418 \text{ MGD}$$

$$TF_0 = 0.53 \text{ MGD}$$

$$\Delta \text{ TSS} = 756 - 703 = 53 \text{ lbs, where}$$

$$TT_1 = 756 \text{ lbs}$$

$$TT_0 = 703 \text{ lbs}$$

$$\Delta \text{ BOD5} = 803 - 999 = - 196 \text{ lbs, where}$$

$$TB_1 = 803 \text{ lbs}$$

$$TB_0 = 999 \text{ lbs}$$

Total Adjusted Base Compensation

$$TABC = ABC_0 + ABC + (\Delta \text{ Flow} \times 365 \text{ days} \times \text{AFM}) + (\Delta \text{ TSS} \times 365 \text{ days} \times \text{ATM}) + (\Delta \text{ BOD5} \times 365 \text{ days} \times \text{ABM}), \text{ where}$$

$$TABC = \$637,655.01 + \$76,931.25 + (-0.081 \text{ MGD} \times 365 \text{ days} \times \$24/\text{MG}) + (78 \text{ lbs} \times 365 \text{ days} \times \$0.22/\text{lb}) + (-211 \text{ lbs} \times 365 \text{ days} \times \$0.05/\text{lb})$$

$$TABC = \$613,952.90 + \$76,931.25 + (\$1,018.56) + \$4,334.35 + (\$4,003.33) + \mathbf{\$10,058.88} \text{ (one time increase from Enclave pump station)}$$

$$\mathbf{TABC = \$713,898.72}$$

From the calculations above, the adjusted annual base compensation fee starting July 1, 2021 is proposed to be \$723,898.72. The breakdown of the new annual base fee of \$713,898.72 will be \$623,952.90 for the Newtown WPCF and \$99,945.82 for the Fairfield Hills Water Treatment Facility. Attached, are the formula definitions from our Agreement as well as the flow and loads data for the Agreement year.

Please review this submittal and provide us with your comment. If you have any questions or need any additional information, please call me at 914-844-2043.

Sincerely,

Jon Arneth  
Area Manager



**CPI-All Urban Consumers (Current Series)**  
**Original Data Value**

Series Id: CUUR0100SA0.CUUS0100SA0  
 Not Seasonally Adjusted  
 Series Title: All items in Northeast urban, all urban consumers, not  
 Area: Northeast  
 Item: All items  
 Base Period: 1982-84=100  
 Years: 2008 to 2018

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	HALF1	HALF2
2004	195.9	196.8	198.6	199.4	199.9	201.1	201.0	201.0	201.2	202.5	202.6	201.9	200.2	198.6	201.7
2005	202.6	203.6	206.0	206.9	206.2	206.2	207.9	208.7	210.8	211.5	210.0	209.0	207.5	205.3	209.7
2006	211.0	211.6	212.8	214.7	215.7	216.7	217.5	218.1	216.3	215.2	214.8	215.2	215.0	213.8	216.2
2007	215.813	216.651	218.334	219.501	220.591	221.579	221.945	221.559	221.436	221.951	223.356	223.425	220.512	218.745	222.279
2008	224.325	225.213	226.926	228.133	230.089	232.649	234.545	233.788	232.841	230.837	227.236	225.091	229.306	227.889	230.723
2009	225.436	226.754	227.309	227.840	228.136	229.930	230.154	230.883	231.200	231.304	231.708	231.462	229.343	227.568	231.119
2010	232.294	232.382	233.188	233.615	234.130	233.834	233.885	234.150	234.027	234.671	235.094	235.141	233.868	233.241	234.495
2011	235.969	237.110	239.074	240.267	241.566	241.690	242.282	243.033	243.323	243.014	242.652	241.987	240.997	239.279	242.715
2012	242.879	243.850	245.125	245.850	245.709	245.201	244.984	246.252	247.409	247.564	247.097	246.456	245.698	244.769	246.627
2013	247.277	248.665	248.719	248.464	248.584	248.851	249.411	249.858	250.231	249.320	249.503	249.567	249.038	248.427	249.648
2014	251.045	251.233	252.413	252.506	253.598	253.555	253.833	253.185	253.154	252.730	251.781	250.519	252.463	252.392	252.534
2015	250.016	250.619	251.451	251.760	252.770	253.626	253.405	252.903	252.922	252.504	252.573	251.670	252.185	251.707	252.663
2016	251.739	252.250	252.854	254.270	255.023	255.471	255.386	255.545	256.085	256.605	256.541	256.427	254.850	253.601	256.098
2017	258.073	258.768	258.510	259.165	259.386	259.335	258.833	259.508	260.875	260.580	260.630	260.791	259.538	258.873	260.203
2018	262.188	263.260	263.556	264.669	265.840	265.950	265.83	266.425	266.709	266.464	265.487	265.286	265.139	264.244	266.034
2019	266.109	266.706	268.025	269.07	269.744	270.133	270.381	270.548	270.563	270.348	270.643	270.429	269.392	268.298	270.485
2020	272.32	273.08	272.531	271.325	271.345	272.283	273.347	273.597	273.925	273.374	273.543	274.225	272.908	272.147	273.669
2021	275.43	276.473	278.197	280.234	281.858	284.741								279.488	

Commencement year/ Amendment Year

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**TOWN OF NEWTOWN**  
WATER AND SEWER AUTHORITY

**2022 Meeting Schedule**

The Newtown Water and Sewer Authority will hold meetings at 7:00pm in the meeting room at the Treatment Plant, Commerce Road, Newtown, CT on the second Thursday of the month.

Thursday, January 13

Thursday, February 10

Thursday, March 10

Thursday, April 14

Thursday, May 12

Thursday, June 9

Thursday, July 14

Thursday, August 11

Thursday, September 8

Thursday, October 13

Thursday, November 10

Thursday, December 8

Thursday, January 12, 2023